DERWENT-ACC-NO: 1992-284626

DERWENT-WEEK: 199910

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TITLE: Polyacetal base resin compsn. with dispersed polyolefin resin - having improved acid resistance, fusibility with polyolefin resin and mechanical properties

INVENTOR: MIYAWAKI, K; SANO, H ; TAJIMA, Y

PATENT-ASSIGNEE: POLYPLASTICS KK[POPL]

PRIORITY-DATA: 1991JP-0026948 (January 28, 1991)

PATENT-FAMILY:

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PAGES MAIN-	IPC	
WO 9213028 A1		J
023 C08J	003/20	•. •
JP 2854150 B2	February 3, 1999	N/A
007 C08J	003/20	
	September 8, 1992	N/A
007 C08J	003/20 January 13, 1993	
EP 522180 A1	January 13, 1993	E
013 C08J	003/20	
BR 9203917 A	June 8, 1993	N/A
000 C08J		
TW 236626 A	December 21, 1994	N/A
000 C08K		
EP 522180 A4	September 15, 1993	N/A
000 C08J	003/20	

DESIGNATED-STATES: BR CA KR US AT BE CH DE DK ES FR GB GR IT LU MC NL SE AT BE C H DE DK ES FR GB GR IT LI LU MC NL SE

CITED-DOCUMENTS: JP 53108142; JP 60223852; No-Citns.; EP 159904; US 4649172

APPLICATION-DATA:

PUB-NO APPL-DESCRIPTOR APPL-NO

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WO 9213028A1
                 N/A
                                          1992WO-JP00077
     January 28, 1992
JP 2854150B2
                                          1991JP-0026948
     January 28, 1991
JP 2854150B2 Previous Publ.
                                          JP 4252232
     N/A
JP 04252232A N/A
                                          1991JP-0026948
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EP 522180A1
                                          1992EP-0903747
     January 28, 1992
EP 522180A1
                                          1992WO-JP00077
                 N/A
     January 28, 1992
EP 522180A1
                Based on
                                          WO 9213028
     N/A
BR 9203917A
                 N/A
                                          1992BR-0003917
     January 28, 1992
BR 9203917A
                                          1992WO-JP00077
     January 28, 1992
BR 9203917A
                Based on
                                          WO 9213028
     N/A
TW 236626A
                                          1992TW-0100591
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EP 522180A4 N/A
                                          1992EP-0903747
     N/A
INT-CL (IPC): C08J003/20; C08J005/00; C08K003/00;
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C08L023/00 ; C08L059/00 ; C08L059/04 ; C08L023:08 ;
C08L059/00
ABSTRACTED-PUB-NO: WO 9213028A
BASIC-ABSTRACT: Compsn. has a network structure in which
components (A) and (B)
are dispersed in each other. (A) is a polyacetal resin
which acts as a matrix.
(B) is a polyolefin resin. When (A) is melt mixed with
(B), a filler (C) is
added in an amt. such that the relations given by equations
(B)/(A+B) =
0.05-0.5 (wt.) (pref. 0.10-0.40 wt.) (1) and (C)/(B+C) =
0.1-0.7 (wt.) (2) are
satisfied. (C) has a surface tension which is at least
greater than that of
(B) at the melt mixing temp. and a mean particulate dia. of
0.05-50 microns.
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(B) is pref. polyethylene or a copolymer comprising polyethylene as major

component. (C) can be glass fibre, asbestos fibre, silica fibre, silica,

alumina fibre, zirconia fibre, boron nitride fibre, silicon nitride fibre, B

fibre, potassium titanate fibre, etc. or C black, silicate, glass beads, glass

balloon, glass powder, talc, etc.. (C) can also be a resin such as aromatic

polyester resin, aromatic polyamide resin, aromatic polyimide resin,

polystyrene resin, acrylic resin, epoxy resin, etc...

 $\ensuremath{\mathsf{USE}}/\ensuremath{\mathsf{ADVANTAGE}}$ - The method is simple and is low cost. The mould obtd. from the

compsn. retains the properties of polyacetal and has improved resistance $% \left(1\right) =\left(1\right) +\left(1\right) +\left$

against acid, fusibility with polyolefin resin and mechanical propertie

CHOSEN-DRAWING: Dwg.0/3

TITLE-TERMS:

POLYACETAL BASE RESIN COMPOSITION DISPERSE POLYOLEFIN RESIN IMPROVE ACID

RESISTANCE FUSE POLYOLEFIN RESIN MECHANICAL PROPERTIES

DERWENT-CLASS: A17 A25

CPI-CODES: A04-G01B; A05-H03A; A07-A04E; A08-R01;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1521U; 1541U ; 1544U ; 1668U ; 1694U ; 1893U ; 5023U ; 5085U ; 5213U ; 5214U ; 5311U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0009 0011 0016 0020 0045 0069 0072 0075 0171

0205 0218 0219 0224

0226 0232 0233 0239 0240 0304 0486 0487 1275 1282 1283 1285

1291 1511 2208 2211

2214 2215 2217 2218 2219 2220 2266 2315 2321 2332 2334 2510

2541 2545 2599 2607

2612 2617 2621 2629 2635 2662

Multipunch Codes: 014 02& 032 034 040 041 046 047 055 056 06- 07& 074 08& 080

081 09& 09- 10& 138 141 143 144 15- 151 180 20- 226 229 247

27- 305 307 308 309

310 311 314 329 364 365 392 393 394 396 437 44& 441 476 531

541 545 551 556 560 567 573 597 603 654 681 684 688 721 722 723 SECONDARY-ACC-NO: CPI Secondary Accession Numbers: C1992-126618